

7. Assemble by reversing these disassembly steps.
8. If removed, install the rear axle as described in this chapter.

REAR HUB INSPECTION (ALL MODELS)

Inspect the hub splines (Figure 104) for wear or damage. Replace the hub if necessary.

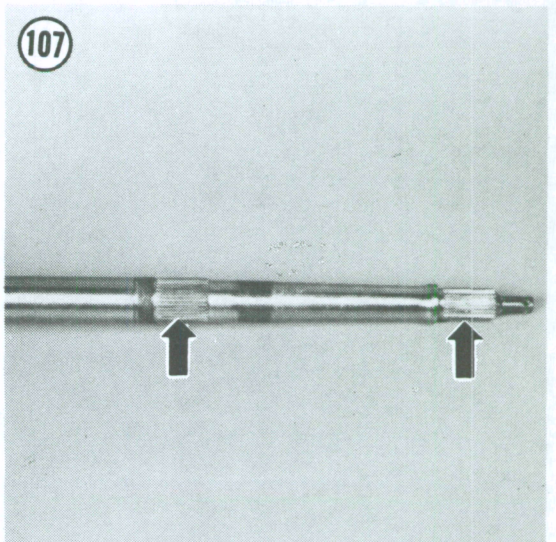
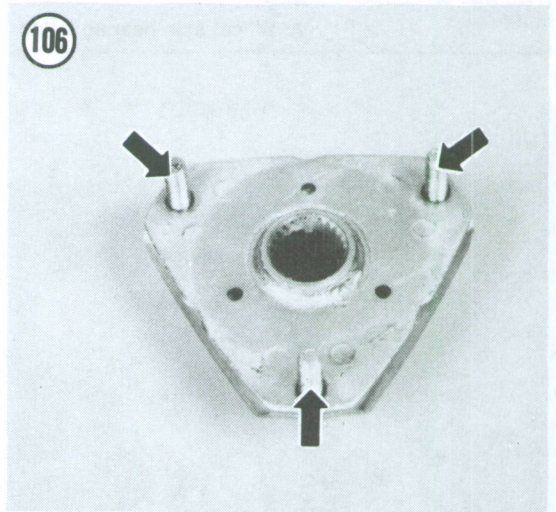
Inspect the threads on the lug nut studs for wear or damage. Refer to Figure 105 or Figure 106. Replace the hub if necessary.

NOTE

The number of lug nut studs varies among the different models.

REAR AXLE INSPECTION (ALL MODELS)

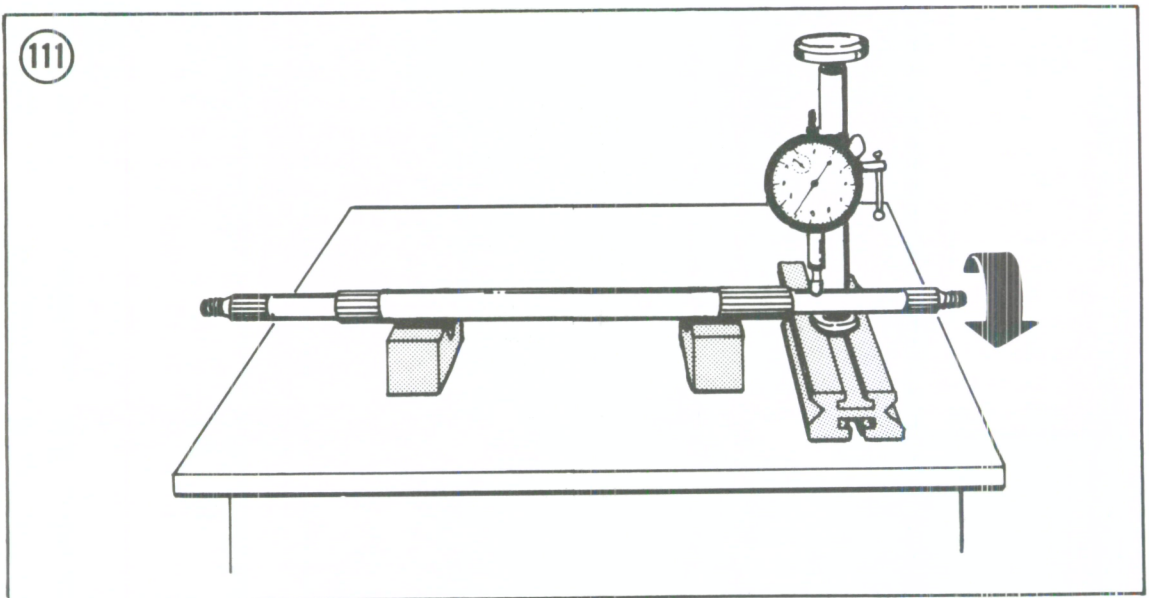
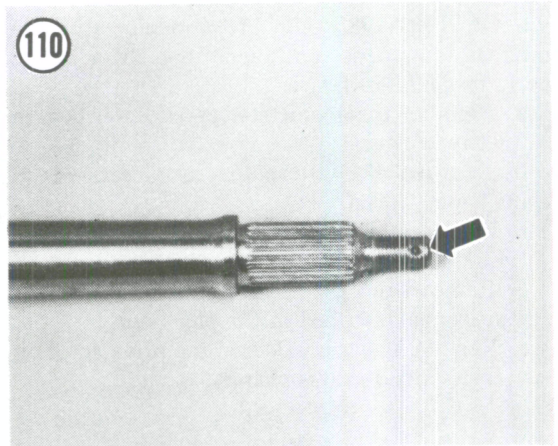
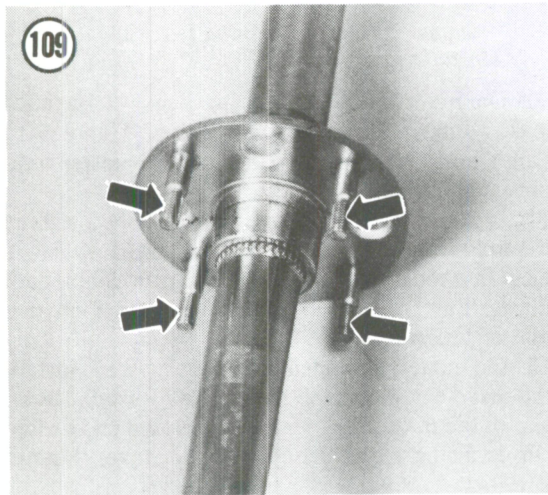
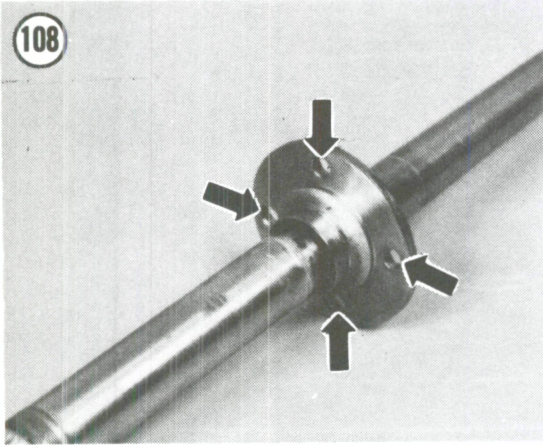
1. Inspect the axle for signs of fatigue, fractures or damage.
2. Inspect all of the splines (Figure 107) for wear or damage.
3. Inspect the flange where the driven sprocket attaches. Make sure there are no cracks or damage. Depending on the model, make sure the holes (Figure 108) are not elongated or that the threaded studs (Figure 109) are not bent or stripped. Replace the axle if necessary.
4. Check the hole at each end of the axle (Figure 110) where the cotter pin fits in. Make sure there are no fractures or cracks leading out toward the end of the axle. If any are found, replace the axle.
5. Check the axle for straightness. Use V-blocks and a dial indicator as shown in Figure 111. Check the runout in the center of the axle (remember that the actual runout is 1/2 of the total indicator reading). If the runout is 3.0 mm (0.12 in.) or greater, the axle must be replaced.



DRIVE CHAIN

Removal/Installation

1. Place the ATC on level ground and set the parking brake or block the wheel so the vehicle will not roll in either direction.
2. Remove the seat/rear fender assembly.
3. Remove the left-hand rear wheel as described in this chapter.
4. Remove the cotter pin and castellated nut securing the left-hand rear hub. Remove the lockwasher and hub.
5. On 1973-1975 ATC70 models, remove the rear cover, step bar and the lower skid plate.
6. On all models except the ATC70, remove the bolts securing the cover plate and slide off the cover plate.



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